

Work Order ID 142827

Monday, March 14, 2016 11:23:10 AM

142827

Page 1

Item ID: D3805-045 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Run-on Landing Wearplate Aft
 Start Date: 4/5/2016 Start Qty: 8.00 ***8*** 10 Cust Item ID:
 Required Date: 4/20/2016 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: MCS Date: MAR 16 2016 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3805	C

100

0.00

100

Large Fab

Large Fab

Memo

0.05

1- On D3806-5, fill cut outs with hardcoat welding rod as per dwg D3805

2059 B Hardcoat Welding Rod

BATCH#: 127237

2-weld D3806-5 to D3805-5 together as per dwg D3805

304 S.S. Welding Rod

BATCH #: 126014

3-Transfer drill holes in bar

CUT BAR TO FINISH SIZE AFTER WELDING HARD COAT

110

QC9- Inspect visual per QSI004- Fusion Welds

0.00

110

QC

Quality Control

Memo

0.00

10 16-05-16

JBL
RA

(10) 16-05-17

DAS
9
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Monday, March 14, 2016 11:23:10 AM

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Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Item Name: Run-on Landing Wearplate Aft

Start Date: 4/5/2016 **Start Qty:** 8.00

8

Cust Item ID:

Required Date: 4/20/2016 **Req'd Qty:** 8.00

g

Customer:

Reference:

Approvals: **Process Plan:** **Date:** **Tooling:** **Date:**

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																							
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OTHER : ☐																																																															

Work Order ID 142827***142827***

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Monday, March 14, 2016 11:23:10 AM

Item ID: D3805-045

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Run-on Landing Wearplate Aft

Start Date: 4/5/2016 Start Qty: 8.00 ***g***

Cust Item ID:

Required Date: 4/20/2016 Req'd Qty: 8.00 ***g***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170	Identify as per dwg & Stock Location: _____	0.00							
170									
Packaging	Memo	0.00							
Packaging	LOCATION : FP002	<i>scd</i>							
180	QC21- Final Inspection - Work Order Release	0.00							
180									
QC	Memo	0.01							
Quality Control									

10 SmB
*16/5/18**MC5* **MAY 18 2016***MC5* **MAY 18 2016**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval																																																							
Description Work Order Deviation				Disposition				Completed By																																																							
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Misidentified ☐	Past Due ☐																																																														

Picklist Print

Monday, March 14, 2016 11:23:09 AM

Page 1

Work Order ID: 142827

142827

Parent Item: D3805-045

D3805-045

Parent Item Name: Run-on Landing Wearplate Aft

Start Date: 4/5/2016

Required Date: 4/20/2016

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev:A 08-12-01 new issue EC verified by:DD IPP Rev:B 09-03-04 rev.a as per dwg DD verified by:EC IPP Rev:C 11.10.04 rev.b as per dwg DD verified by:EC IPP REV:D 14.04.22 DWG REV.C DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D3805-5

Manufactured No

100

Each

8.0000

1

8

D3805-5

Plate

16-05-03
JBL

Location

Loc Qty

Loc Code

145052x2

WA001

8

140264

8

8

D3806-5

Manufactured No

100

Each

15.0000

1

8

D3806-5

Bar

16-05-03
JBL

Location

Loc Qty

Loc Code

WA002

15

138297

5

141868

10

15

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

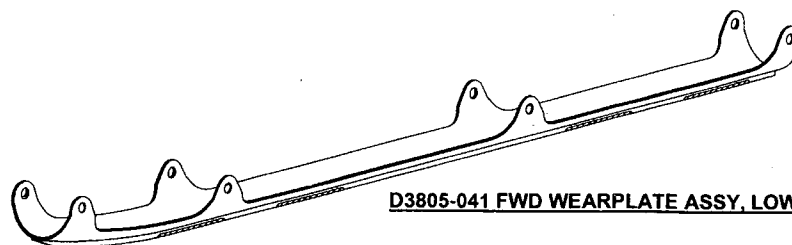
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

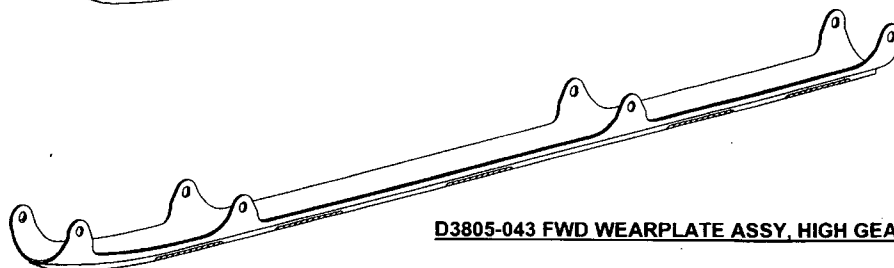
Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

8 7 6 5 4

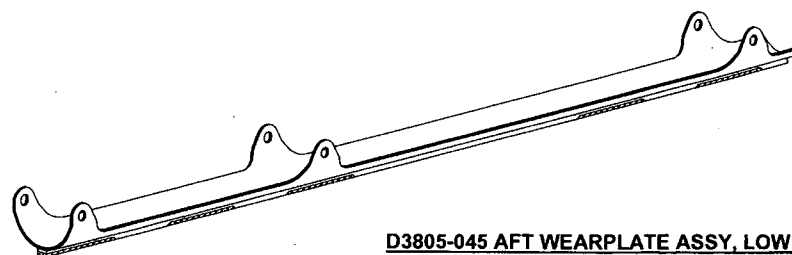
3 2 1



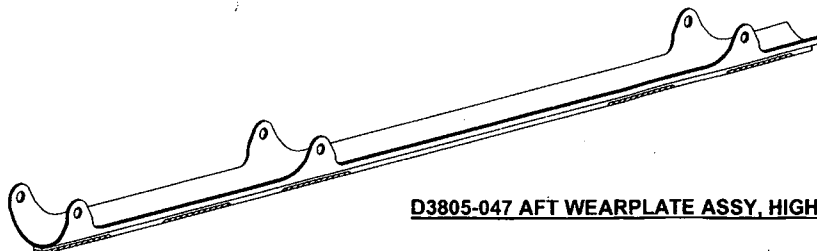
D3805-041 FWD WEARPLATE ASSY, LOW GEAR



D3805-043 FWD WEARPLATE ASSY, HIGH GEAR



D3805-045 AFT WEARPLATE ASSY, LOW GEAR



D3805-047 AFT WEARPLATE ASSY, HIGH GEAR

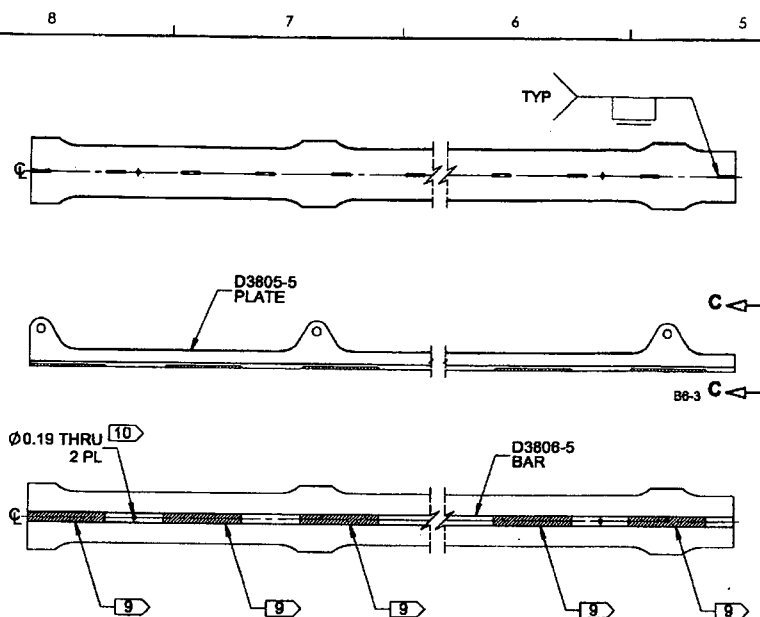
8 7 6 5 4

ITEM	QTY -041	QTY -043	QTY -045	QTY -047	P/N	DESCRIPTION
1	X				D3805-041	FWD WEARPLATE ASSY, LOW GEAR
2		X			D3805-043	FWD WEARPLATE ASSY, HIGH GEAR
3			X		D3805-045	AFT WEARPLATE ASSY, LOW GEAR
4				X	D3805-047	AFT WEARPLATE ASSY, HIGH GEAR
11	1				D3805-1	PLATE
12		1			D3805-3	PLATE
13			1		D3805-5	PLATE
14				1	D3805-7	PLATE
15	1				D3806-1	BAR
16		1			D3806-3	BAR
17			1		D3806-5	BAR
18				1	D3806-7	BAR
31	A/R	A/R	A/R	A/R	2059B	HARDCOAT

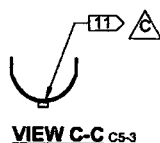
SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AAM NUMBER
WITHOUT NOTICE
WORK ORDER
NO. 142827 MJS
16-03-16

RELEASED
2014-04-17
JH

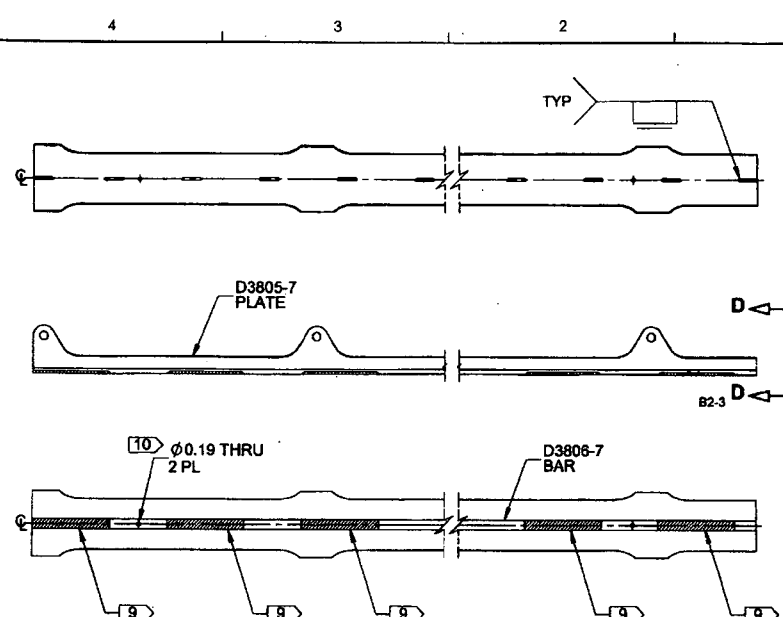
C	REMOVE ITEMS 19, 20, 21, 22 AND 32 FROM BOM (ZN C4-1), REVISE NOTE 11, SHEETS 2&3 (ZN A8-2, B2-2, B6-2, A8-3, B2-3, B6-3)	DB	13.10.04
B	REVISED D3805-1F/3F TO EASE MANUFACTURABILITY (ADDED CUTOUT AT FWD END OF PLATE PER PAR11-106) AND RE-ORGANIZED NOTES SHEETS 2 & 3	MB	11.09.16
A	NEW ISSUE	MB	08.11.21
REV.	DESCRIPTION	BY	DATE
DESIGN	DB	DART AEROSPACE USA, INC. KENT, WA	
DRAWN	DB		
CHECKED	ADS	DRAWING NO.	REV. C
MFG. APPR.	JH	D3805	SHEET 1 OF 8
APPROVED	JH	TITLE	SCALE
DE APPR.	JH	WEARPLATE ASSY	NTS
DATE	13.10.04	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OF COPIES OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



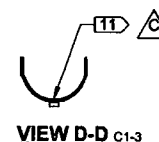
D3805-045 AFT WEARPLATE ASSY.



VIEW C-C C5-3



D3805-047 AFT WEARPLATE ASSY.



VIEW D-D C1-3

RELEASED
2014-04-17

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3805-04X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D3805-045 = 4.24 lbs; D3805-047 = 4.53 lbs
- 8) WELDING: PER QSI 004
- 9) 2059B HARDCOAT WELD, 0.19 THICK X 0.50 WIDE, FLUSH WITH D3806-X BAR ON ALL 3 SURFACES
- 10) AFTER WELDING, TRANSFER DRILL THRU BAR FROM PLATE
- 11) COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020 - 0.040 THICK, PER DART QSI 005 4.9.

DESIGN	97	DART AEROSPACE USA, INC.	
DRAWN	DB	KENT, WA	
CHECKED	ALS	DRAWING NO.	REV. C
MFG. APPR.		D3805	SHEET 3 OF 8
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
DATE	13.10.04	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND NOT BE LOANED OR REPRODUCED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	